WO 2005/078033 PCT/US2005/002905

## Claims:

1. A low application temperature thermoplastic hot melt adhesive having a viscosity at 275°F of less than about 8,000 centipose, a yield stress of less than about than 80 psi and a creep performance for a bond made through strand coating of less than about 15%.

- 2. The adhesive of claim 1 which has a creep performance for a bond made through spiral coating of less than about 25%.
- 3. The adhesive of claim 1 comprising an amount of an additive effective to lower viscosity, increase toughness, and increase tensile strength.
- 4. The adhesive of claim 3 which has a creep performance for a bond made through spiral coating of less than about 25%.
- 5. The adhesive of claim 1 or 2 which comprises from about 0.5 to about 55 wt % of a thermoplastic elastomer, from about 30 to about 90 wt % of a tackifying resin, from 0 to about 40 wt % of a diluent and from 0 to about 25 wt % of a wax.
- 6. The adhesive of claim 3 or 4 which comprises from about 0.5 to about 55 wt % of a thermoplastic elastomer, from about 30 to about 90 wt % of a tackifying resin, from 0 to about 40 wt % of a diluent, from 0 to about 25 wt % of a wax and up to about 40 wt % of said additive.
- 7. The adhesive of claim 6 wherein said additive is an ionomer resin.
- 8. The adhesive of claim 7 comprising from about 0.1 to about 40 wt % of said ionomer.
- 9. The adhesive of claim 8 comprising from about 0.1 to about 15 wt % of said ionomer.
- 10. The adhesive of claim 9 wherein the thermoplastic elastomer is styrene-isoprene-styrene, styrene-butadiene-styrene, styrene-bethylene-b-styrene or a mixture thereof.

WO 2005/078033 PCT/US2005/002905

11. An article of manufacture comprising the adhesive of any one of claims 1 to 4.

- 12. The article of claim 11 which is a disposable absorbent article.
- 13. The article of claim 12 which is a disposable elastic article.
- 14 The article of claim 13 which is a diaper.
- 15. The article of claim 11 wherein the article of manufacture further comprises an elastomeric fiber selected from the group consisting of natural rubber, synthetic rubber, spandex, and melt-spun elastomers.
- 16. The article of claim 15 wherein the adhesive comprises from about 0.5 to about 55 wt % of a thermoplastic elastomer, from about 30 to about 90 wt % of a tackifying resin, from 0 to about 40 wt % of a diluent, from 0 to about 25 wt % of a wax and up to about 40 wt % of an additive.